Customer No.: 64884   Docket No.: H0630-0003-P003

Listing and Amendments of Claims
Including Status Indicators

1. (Currently Amended) A method for deploying a fiber optic communication network comprising:

   storing an attribute of an optical communication component in a computer catalog database entry;

   associating said catalog database entry with a design profile;

   selecting said database entry from said design profile;

   reading said attribute from said database entry;

   associating said attribute with a planned deployment of a physical instance of said component;

   calculating an optical loss, including a loss associated with an optical fiber splice; and

   forming a visible image representing said planned deployment, said visible image including a separately identified integrated detail drawing.

2. (Canceled)

3. (Previously Presented) A method as defined in claim 1, further comprising recording said association of said attribute with said planned deployment in a computer memory.

4. (Previously Presented) A method as defined in claim 1, further comprising physically deploying said physical instance of said component.

5. (Original) A method as defined in claim 1 further comprising identifying a

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geographic location for said planned deployment.

6.   (Original) A method as defined in claim 5 further comprising providing a graphical representation of said geographic location and said physical instance.

7.   (Original)   A method as defined in claim 5 wherein said optical communication component comprises a component selected from the group of an optical cable, an optical cable connector, a splitter, an optical amplifier, an optical repeater, an optical transmitter, an optical splice enclosure, a patch panel, and a splice tray.

8.   (Original) A method as defined in claim 1 wherein said optical communication component comprises an optical cable, said optical cable comprising a cable selected from the group of ribbon cable, loose tube buffer cable , central tube cable, odd count fiber cable, single mode fiber cable , multimode fiber cable , and cable including a plurality of fiber types .

9.   (Previously Presented) A method as defined in claim 8 wherein said optical cable includes a plurality of optical fibers.

10.   (Original) A method as defined in claim 1 wherein said planned deployment includes identification of said instance with an owner.

11.   (Original) A method as defined in claim 1 wherein said planned deployment includes identification of said instance with a communication circuit.

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12. (Previously Presented) A method as defined in claim 1 wherein said planned deployment includes deploying a plurality of optical communication components.

13. (Currently Amended) A system for planning a network comprising:

a first computer including a first memory storage device having application software encoded therein;

a second computer, operatively connected to said first computer, having a second memory storage device adapted to record first project data;

a third computer, operatively connected to said second computer, having a third memory storage device adapted to record second project data, said first and second project data being substantially instantaneously identical;

said software including a catalog portion, a design profile portion, and a calculations portion;

said catalog portion being adapted to receive data defining a plurality of communication network components;

said design profile portion adapted to receive data defining a plurality of design rules related to logical design of a network;

said first data including a logical model of a communications network; said calculations portion being adapted to calculate power and signal relationships within said communications network components; and said software including an integrated detail drawing portion adapted to record a separately identified detailed layout of a network within a multiple dwelling unit.

14. (Original) A system as defined in claim 13, wherein said communications network comprises an optical fiber portion.

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15. (Original) A system as defined in claim 14, wherein said optical fiber portion comprises an optical cable having a buffer with first and second optical fibers;

said optical fibers having different nominal characteristics.

16. (Original) A system as defined in claim 13, wherein said communications network comprises a wireless communication portion.

17-30. (Canceled)

31. (Previously Presented) A method for deploying a fiber optic communication network as defined in claim 1, wherein said optical communication component comprises an optical switch.

32. (Previously Presented) A method for deploying a fiber optic communication network as defined in claim 1, wherein said optical communication component comprises a tapered fiber segment.

33. (Previously Presented) A method for deploying a fiber optic communication network as defined in claim 1, wherein said optical communication component comprises a fiber reel having an uneven buffer count.

34. (Previously Presented) A method for deploying a fiber optic communication network as defined in claim 1, wherein said optical communication component comprises a fiber reel including 36 buffers.

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35. (Previously Presented) A method for deploying a fiber optic communication network as defined in claim 1, wherein said optical communication component comprises a fiber ribbon having 72 fibers per buffer.

36. (Currently amended) A method for deploying a fiber optic communication network comprising:

storing an attribute of an optical communication component in a computer catalog database entry;

associating said catalog database entry with a design profile;

selecting said database entry from said design profile;

reading said attribute from said database entry;

associating said attribute with a planned deployment of a physical instance of said component;

forming a visible image representing said planned deployment, said visible image including a separately identified integrated detail drawing; and

performing a system calculation considering small-scale features represented in the detail drawing and large-scale features otherwise represented in the visible image including calculating an optical loss, said optical loss including a loss related to an optical fiber splice.

37. (Previously Presented) A method for deploying a fiber optic communication network as defined in claim 36 wherein said system calculation includes a power supply calculation.

38. (Previously Presented) A method for deploying a fiber optic communication network as defined in claim 36 wherein said system calculation includes a signal level calculation.

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39. (Currently Amended) A method for deploying a fiber optic communication network comprising:

storing an attribute of an optical communication component in a computer catalog database entry;

associating said catalog database entry with a design profile;

selecting said database entry from said design profile;

reading said attribute from said database entry;

associating said attribute with a planned deployment of a physical instance of said component;

forming a visible image representing said planned deployment, said visible image including a separately identified integrated detail drawing having network components represented within the integrated detail drawing;

calculating an optical loss, including a loss associated with an optical fiber splice; and

treating said network components represented within the integrated detail drawing as contiguous with being coupled to receive information otherwise represented on the visible image.

40. (Previously Presented) A method for deploying a fiber optic communication network as defined in claim 39 wherein said treating said network components represented within the integrated detail drawing as contiguous with information otherwise represented on the visible image includes providing full connectivity for signal levels and design connections.

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